

Directory Structure 5

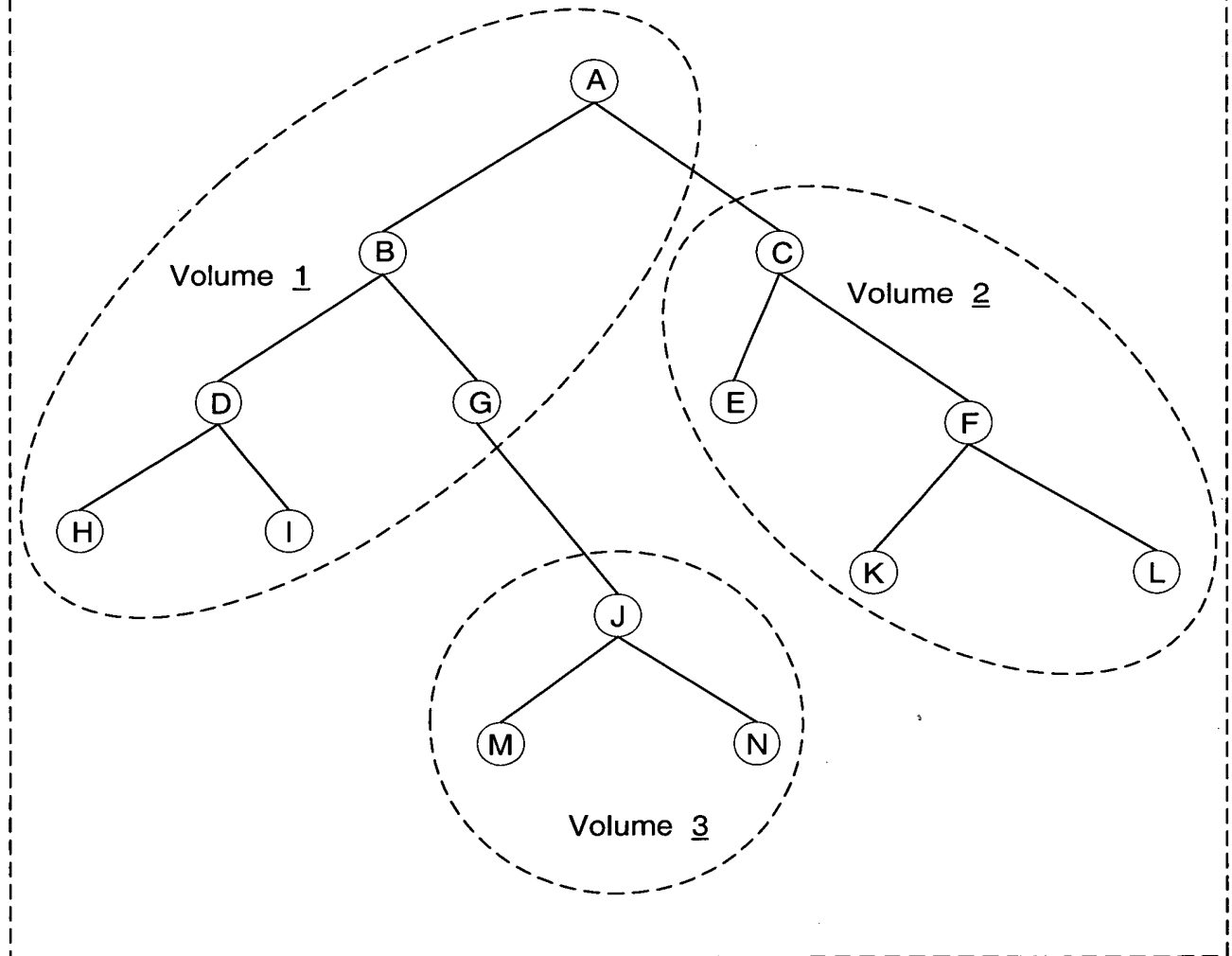


FIG. 1
(PRIOR ART)

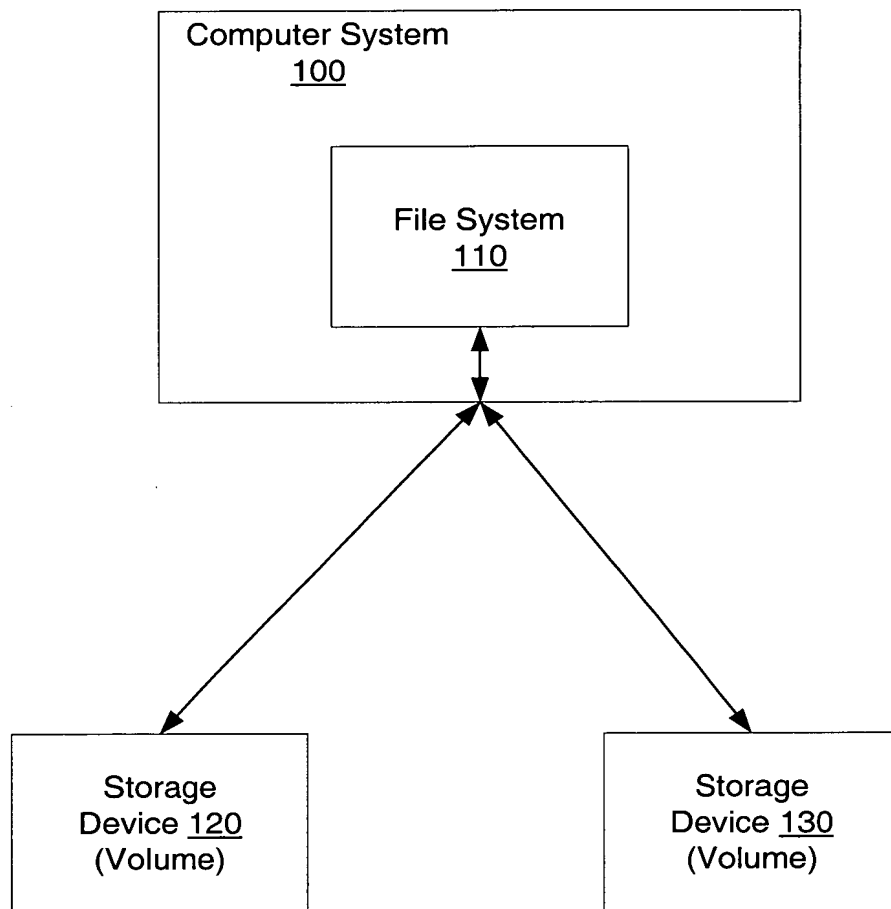


FIG. 2

Diagram illustrating a File System 110 structure and its mapping to storage volumes.

The File System 110 contains a Directory Structure 200, which is a table with the following columns: Name, Volume ID, Index #, and CheckSum.

Name	Volume ID	Index #	CheckSum
temp.o	●	71	4E70F8
valuable.db	●	368	2F47F3

The Directory Structure 200 is mapped to two storage volumes:

- Local Disk; Fast, No Backup Volume 1**: This volume stores files mapped to it, such as **temp.o** (Index # 71, CheckSum 4E70F8).
- RAID 5; Secure, Reliable Volume 2**: This volume stores files mapped to it, such as **valuable.db** (Index # 368, CheckSum 2F47F3).

FIG. 3

Directory Structure 200

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graph TD; A((A)) --- B((B)); A --- C((C)); B --- D((D)); B --- G((G)); D --- H((H)); D --- I((I)); G --- J((J)); J --- M((M)); J --- N((N)); C --- E((E)); C --- F((F)); F --- K((K)); F --- L((L));
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FIG. 4A

Volume	Directory / File
Volume 1	H, E, F, N
Volume 2	B, D, J, L, M
Volume 3	A, C, G, I, K

FIG. 4B

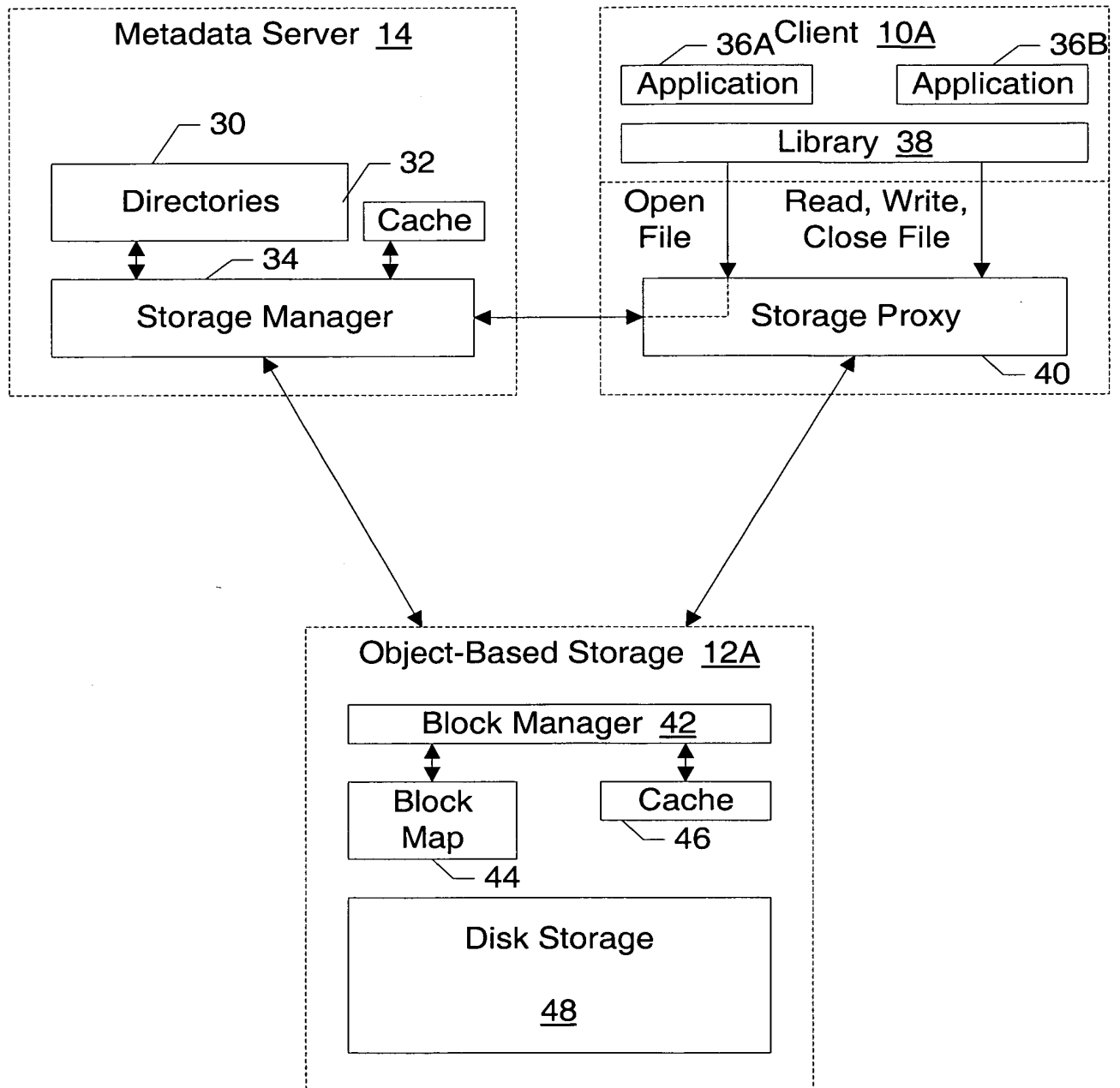


FIG. 6